

Title (en)  
METHOD OF OPERATING AN OPTICAL MEASURING SYSTEM FOR MEASURING THE CONCENTRATION OF A GAS COMPONENT IN A GAS TO BE MEASURED

Title (de)  
VERFAHREN ZUM BETREIBEN EINES OPTISCHEN MESSSYSTEMS ZUR MESSUNG DER KONZENTRATION EINER GASKOMPONENTE IN EINEM MESSGAS

Title (fr)  
PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME DE MESURE OPTIQUE PERMETTANT DE MESURER LA CONCENTRATION D'UN COMPOSANT DE GAZ DANS UN GAZ DE MESURE

Publication  
**EP 3543682 B1 20200429 (DE)**

Application  
**EP 18163424 A 20180322**

Priority  
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Abstract (en)  
[origin: CN110296957A] A method of operating an optical measuring system for measuring the concentration of a gas component in gas to be measured based on a wavelength-modulated spectrum is provided. A laser light source is operated in a current modulation manner using a basic current IDC and a modulated current IAC, and emits a laser beam with a wavelength lambda0 having a wavelength modulation amplitude [delta]lambdaAC, and the wavelength modulation amplitude [delta]lambdaAC of the laser is kept constant by variably setting a current modulation amplitude [delta]IAC. The modulated power [delta]PAC at an internal resistor RI of the laser light source at a working point is kept constant to stabilize the wavelength modulation amplitude [delta]lambdaAC.

IPC 8 full level  
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CPC (source: CN EP)  
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